

Name _____ Date _____

Integer Pretest. Answer Key

1. Find the value of each expression.
Use tiles if necessary.

a) $(+3) \times (-9)$

-27

b) $(-6) \times (-3)$

$+18$

c) $(+25) \div (+5)$

$+5$

d) $(+21) \div (-3)$

-7

e) $(-16) \times (-4)$

$+64$

f) $(+2)(-2)(-2)(-1)$

-8

g) $(-2)(+14)(0)$

0

h) $\frac{-22}{-22}$

$+1$

i) $\frac{(+2)(-6)}{-3}$

$+4$

j) $(-2)(-1)(-4)(-5)$

$+40$

2. Evaluate each expression. Show all steps.

a) $\frac{-20}{-5} - 8$

$+4 - 8 = -4$

b) $6 - \frac{(-15)}{(-5)}$

$6 - (+3) = +3$

c) $-30 - \frac{(-2) \times (-15)}{2}$

$(-30) - (+15) = -45$

d) $\frac{(-3)(-9) + 1}{-2}$

$28 \div (-2) = -14$

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3. A golf tournament is five rounds. Katie shot -1 in three rounds, -2 on one round, and par on the other round. Alex shot a four under par.

- a) What was Katie's final score?

**$(-1), (-1), (-1), (-2), 0$
Add all the Scores.
Katie's final score was -5**

- b) Did Katie win the tournament? Explain.

Yes, Katie won the tournament because she had a -5 and the other player scored -4 . In golf the lower the score, the less shots you take, so the lowest score wins!

4. Use these integers: $-6, -4, -7, +8$

- a) Which two integers have the greatest product?

The answer has to be a positive so we have to use two negative factors. The two largest negative numbers are (-6) and (-7) .

Remember product is the answer you get when you multiply.

$$(-6) \times (-7) = +42$$

- b) Which two integers have the least product?

The answer has to be negative so we have to use a negative and a positive factor.

$$(-7) \times (+8) = -56$$

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